

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

13725

Application Number

09/652,820

Applicant(s)

John Oliensis

Filing Date

August 31, 2000

Group Art Unit

2173

*EXAMINER
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Sturm et al., "A Factorization Based Algorithm for Multi-Image Projective Structure and Motion," ECCV, pages 709-722, 1996;

Zelnik-Manor et al., "Multi-Frame Alignment of Planes," IEEE, pages 151-156, 1999;

Torr, "Geometric Motion Segmentation and Model Selection," Phil. Trans. R. Soc. London A, pages 1-17, 1996;

Torr, "Model Selection for Two View Geometry: A Review," Microsoft Research paper;

Zelnik-Manor et al., "Multi-View Subspace Constraints on Homographies," IEEE, 1999;

Kumar et al., "Shape recovery from multiple views: a parallax based approach," David Sarnoff Research Center, pages 947-955;

Stein et al., "Model-based Brightness Constraints: on Direct Estimation of Structure and Motion."

Hartley, "A linear method for reconstruction from lines and points," GE-Corporate Research and Development;

Hanna et al., "Combining Stereo and Motion Analysis for Direct Estimation of Scene Structure," IEEE, pages 357-365, 1993;

Cohen, "Dense Recovery of Planar-Parallax from Multiple Frames," Thesi for the M.Sc. Degree of Meir Cohen, Weizmann Institute of Science, 1999;

Lucas et al., "Optical Navigation by the Method of Differences," Computer Science Department of Carnegie-Mellon University;

Fermuller et al., "Global rigidity constraints in image displacement fields," IEEE, pages 245-250, 1995.

EXAMINER

Kipman K6er

DATE CONSIDERED

5/14/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

13725

Application Number

09/652,820

Applicant(s)

John Oliensis

Filing Date

August 31, 2000

Group Art Unit

2173

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

UK		Bergen et al., "Hierarchical Model-Based Motion Estimation," ECCV, pages 237-252, 1992;
UK		Barron et al., "Systems and Experiment, Performance of Optical Flow Techniques," International Journal of Computer Vision, pages 43-47, 1994;

EXAMINER

Kupman K. Lee

DATE CONSIDERED

5/14/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

13725

Application Number

09/652,820

Applicant(s)

John Oliensis

Filing Date

August 31, 2000

Group Art Unit

2173

*EXAMINER

INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Brodsky et al., "Self-Calibration from Image Derivatives," ICCV, pages 83-89, 1998;

Burt et al., "The Laplacian Pyramid as a Compact Image Code," IEEE Transactions on Communications, Com. 2, No. 2, pages 532-540, 1983;

Fermuller, "Passive Navigation as a Pattern Recognition Problem," International Journal of Computer Vision, pages 147-158, 1995;

Fermuller et al., "Direct Perception of Three-Dimensional Motion from Patterns of Visual Motion," Science, Vol. 270, pages 1973-1976, 1995;

Hanna, "Direct multi-resolution estimation of ego-motion and structure from motion," IEEE Motion Workshop, pages 156-162, 1991;

Horn et al., "Determining Optical Flow," Artificial Intelligence, pages 185-203, 1981;

Irani, "Multi-Frame Optical Flow Estimation Using Subspace Constraints," IEEE, pages 626-633, 1999;

Irani et al., "Direct Recovery of Planar-Parallax from Multiple Frames," Vision Algorithms - Pre-Proceedings, pages 1-8, 1999;

Irani et al., "From Reference Frames to Reference Planes: Multi-view Parallax Geometry and Applications," ECCV, pages 829-845, 1998;

Irani et al., "Recovery of Ego-Motion Using Region Alignment," IEEE, pages 268-272, 1997;

Jepson et al., "Linear subspace methods for recovering translational direction," in Spatial Vision in Humans and Robots, pages 39-62, 1993;

Kumar et al., "Direct recovery of shape from multiple views: a parallax based approach," IEEE, pages 685-688, 1994;

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

13725

Application Number

09/652,820

Applicant(s)

John Oliensis

Filing Date

August 31, 2000

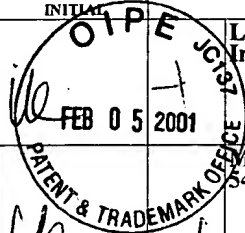
Group Art Unit

2173

* EXAMINER

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

INITIAL



Lucas et al., "An Iterative Image Registration Technique with an Application to Stereo Vision," Proceedings of the Seventh International Joint Conference on Artificial Intelligence, Vol. II, pages 674-679, 1981;

Mandelbaum et al., "Correlation-Based Estimation of Ego-motion and Structure from Motion and Stereo," IEEE, pages 544-550, 1999;

Oliensis et al., "Structure from Motion using Points, Lines, and Intensities," IEEE, pages 599-605, 2000;

Oliensis et al., "Fast Algorithms for Projective Multi-Frame Structure from Motion," IEEE, pages 536-543, 1999;

Oliensis, "A Multi-Frame Structure-from-Motion Algorithm under Perspective Projection," international Journal of Computer Vision, pages 163-192, 1999;

Oliensis, "Multiframe Structure from Motion in Perspective," IEEE, pages 77-84, 1995;

Oliensis, "Structure from Linear or Planar Motions," IEEE, pages 335-342, 1996;

Oliensis, "A Linear Solution for Multiframe Structure from Motion," IUW, pages 1225-1231, 1994;

Oliensis, "Rigorous Bounds for Two-Frame Structure from Motion," ECCV, pages 184-195, 1995;

Sawhney, "3D Geometry From Planar Parallax," IEEE, pages 929-934, 1994;

Shashua et al., "Relative Affine Structure: Theory and Application to 3D Reconstruction From Perspective Views," IEEE, pages 483-489, 1994;

Stein et al., "Model-based Brightness Constraints: on Direct Estimation of Structure and Motion," IEEE, pages 400-406, 1997;

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.